

Datasheet for ABIN6939824
anti-Integrin beta 3 antibody



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2 Images

Overview

Quantity:	100 µg
Target:	Integrin beta 3 (ITGB3)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Integrin beta 3 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunofluorescence (IF), Staining Methods (StM)

Product Details

Immunogen:	Phytohemagglutinin (PHA)-stimulated peripheral blood cells
Clone:	Y2-51
Isotype:	IgG1 kappa
Specificity:	Reacts with human integrin beta3 (GPIIIa, vitronectin receptor beta chain). It associates with the IIb-chain (CD41) to form the GpIIb/GpIIIa complex (CD41/CD61). The CD41/CD61 complex appears early in megakaryocyte maturation. The activated CD41/CD61 complex is a receptor for von Willebrand factor, soluble fibrinogen, fibronectin, vitronectin and thrombospondin. It plays a central role in platelet activation and aggregation. The CD51/CD61 is implicated in tumor metastasis and adenoviral infection. The antibody detects platelets in smears of blood and bone marrow, as well as megakaryocytes in frozen sections and cell smears. The antibody is useful for classification of megakaryoblastic leukemia.

Product Details

Purification: Purified by Protein A/G

Target Details

Target: Integrin beta 3 (ITGB3)

Alternative Name: ITGB3 ([ITGB3 Products](#))

Molecular Weight: 105kDa & 90kDa

Gene ID: 3690

UniProt: [P05106](#)

Pathways: [Regulation of G-Protein Coupled Receptor Protein Signaling](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#), [Smooth Muscle Cell Migration](#), [Integrin Complex](#)

Application Details

Application Notes: Positive Control: U937, KG1a, HEL cells. Spleen.
Known Application: Flow Cytometry (0.5-1 µg/million cells in 0.1ml), Immunofluorescence (0.5-1 µg/mL), Immunohistochemistry (Frozen & Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes) Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

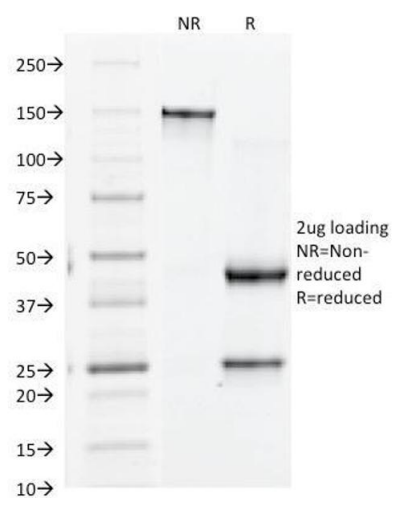
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -80 °C

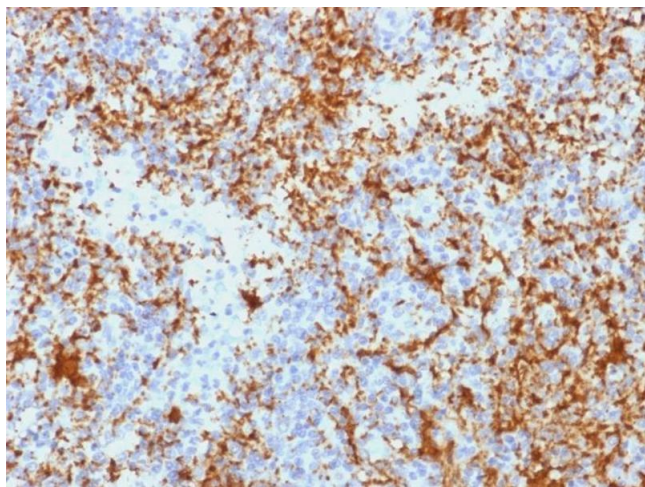
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



SDS-PAGE

Image 1. SDS-PAGE Analysis Purified CD61 Monoclonal Antibody (Y2/51). Confirmation of Purity and Integrity of Antibody.



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Spleen stained with CD61 Monoclonal Antibody (Y2/51).